CALIBER
AUDIO TECHNOLOGY

HPG 406D

MANUAL

• GB •

IMPORTANT SAFETY INSTRUCTIONS

When used in the directed manner, this unit has been designed and manufactured to ensure your personal safety. However, improper use can result in potential electrical shock or fire hazards. Please read all safety and operating instructions carefully before installation and use, and keep these instructions handy for future reference. Take special note of all warnings listed in these instructions and on the unit.

Water and Moisture
The unit should not be used near water. For example: near a bathtub, washbowl, kitchen sink, laundry tub, swimming pool or in a set basement.

Ventilation
The unit should be situated so that its location or position does not interfere with its proper ventilation. For example, it should not be situated on a bed, sofa, rug or similar surface that may block the ventilation openings. Also, it should not be placed in a built-in installation, such as a bookcase or cabinet, which may impede the flow of air through the ventilation openings.

Heat
The unit should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.

Power Source
The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

Cleaning
The unit should be cleaned only as recommended. See the section “Care and Maintenance” of this manual for cleaning instructions. Object and Liquid Entry Care should be taken so that objects do not fall and liquids are not spilled into any openings or vents located on the product.

Lightning and Power Surge Protection
Unplug the unit from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

Overloading
Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire of electric shack.

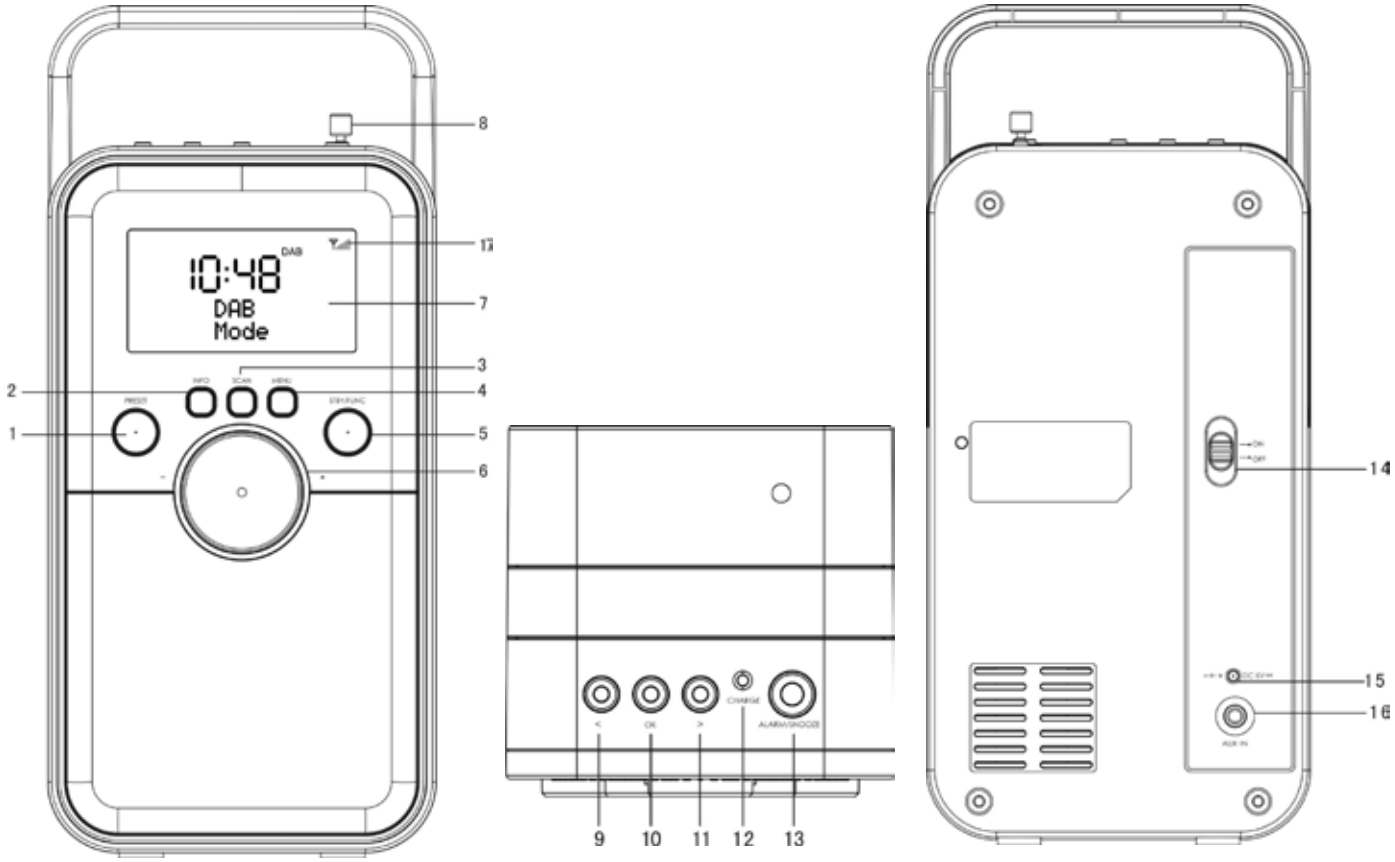
Damage Requiring Service
This unit should be serviced by qualified service personnel when:
Objects have fallen into or liquid has been spilled into the enclosure.
The unit has been exposed to rain. The unit has been dropped or the enclosure damaged.
The unit exhibits a marked change in performance or does not operate normally.

Periods of Nonuse
If the unit is to be left unused for an intended period of time, such as a week or longer, the power cord should be unplugged from the unit to prevent damage or corrosion.

Servicing
The user should not attempt to service the unit beyond those methods described in the user's operating instructions.Service methods not covered in the operating instructions should be referred to qualified service personnel.

CAUTION:
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

WARNING:
1. The mains plug of adapter is used as disconnect device, the adapter shall remain readily operable.
2. Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
3. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.



FRONT VIEW **TOP VIEW** **BACK VIEW**

1. Preset button.
- Short press this button to enter the radio station presets recalling mode.
- Press and hold this button to enter the radio station storing mode.

2. Info button.
- In DAB/FM mode: Cycle through further information screens and return to the normal Now Playing Screen.

3. Scan button.
- in DAB/FM mode: scan for station automatically.
- In any operating mode: press and hold this button for ECO test mode (for manufacturer use only)

4. Menu button.
- Short press to show menu for the current mode, press it again to show Now Playing Screen.

5. STBY/FUNC button.
- Press and hold this button to toggle between “Power On” and “Standby” mode.
- Short press this button during “Power On” mode to select different play modes: DAB, FM or Aux In.

6. Volume knob.
- To adjust volume level.

7. LCD Display.

8. Telescopic antenna.

9. Down button.
- To scroll through a Menu or DAB station list.

In FM mode:
- Short press this button to manually search through the station from current frequency toward the lower frequency.
- Press and hold this button to search through the lower station frequency with strong signal and stop on the first station signal it finds automatically.

10. Ok button.
- To select current option.

11. Up button.
- To scroll through a Menu or DAB station list.

In FM mode:
- Short press this button to manually search through the station from current frequency toward the higher frequency.
- Press and hold this button to search through the higher station frequency with strong signal and stop on the first station signal it finds automatically.

12. Battery charging indicator.

13. ALARM/SNOOZE
- To activate the snooze function when the alarm is activated.
- To turn LCD backlight Bright/DIM/OFF.
- Press and hold this button during power ON mode to set the alarms.

14. Power ON/OFF switch.

15. DC 5V jack.

16. 3,5mm AUX-IN jack.

17. : Singnal intension for DAB/FM.

The slide bar indicates how strong the received signal is, the stronger the signal, the longer the bar will be shown from left to right.

INSTALLATION

- Read the manual thoroughly before operating the device!
- Choose a suitable location for the device. Suitable locations are dry, even and anti-slip surfaces on which you may operate the device easily.
- Make sure there is proper ventilation for the device!
- Remove, if necessary, the protection sheet from the display.

Power supply (Adaptor)

- Insert the grid plug into a properly installed AC socket. Connect the device with the plug connector by inserting its plug into the DC 5V −⊙+ jack of the device.
- Make sure the grid voltage corresponds to the figures on the rating plate.

CAUTION:

- Only use the supplied power adaptor for this device. Do not use for other devices.
- Only use the original AC adapter. This adapter has been specially designed for the built-in battery in order to gradually charge the battery. Any other adapter can shorten the battery life or can damage it or the device.

NOTE:

Disconnect from mains power supply during longer periods of non-use.

CHARGING THE BATTERY

Before you can operate the device with the battery, you need to charge it first.

1. Turn off the device by setting the ON/OFF switch (14) to the “OFF” position.
2. Connect the device to a wall socket with the power adaptor. The battery charging indicator (12) lights up Yellow and the battery is being charged. Once the battery has been charged completely, the charging indicator turns Green.

CAUTION:

Never leave the device unattended during the charging process.

NOTE:

The duration of the charging process depends on the state of charge of the battery.

GENERAL OPERATION

Switch the unit on/off

- Switch the unit on by sliding the Power ON/OFF switch on the back of the unit to ON position, the display on the unit will light and display “Welcome to Digital Radio”, and then the time digits “00:00” flashes in the display.
- Standby/operating mode: You may then toggle between standby and operating mode by pressing and holding the STBY/FUNC button (5).
- To switch off the unit, slide the Power ON/OFF switch to OFF position.

NOTES:

1. When the unit is powered on the first time, it will enter FM mode as default, short press the STBY/FUNC button to change the operating mode circularly: AUX-IN, DAB, FM.
2. Time and date can automatically update on-air when the DAB radio is operated. Anyway, it also can be set manually in any Operating mode.
3. ECO design:

- ECO test mode:The unit returns to standby mode after 10 seconds. When you are in the DAB / AUX mode, press and hold the INFO button to ON or OFF, a 10 sec count down will be shown on

the screen, then back to normal operation. It is the test mode for the factory, this function can't be removed.
- Normal ECO mode: Standby model will be activated after 60 minutes under different surface: AUX mode: When there is No connection of external device / No sound / Minimum volume comes from the unit. DAB mode: When there is no signal comes from the unit.
The unit will not activate to Standby mode when no signal / no sound / minimum volume in FM mode. The unit will not activate to Standby mode when no sound / minimum volume in DAB mode.
4. The display light will dim after 10 seconds automatically during Standby mode.

OPERATING THE UNIT IN DAB MODE

DAB radio mode receives DAB/DAB+ digital radio and displays information about the station.

Auto Scan

1. Fully extend the telescopic antenna.
2. Press and hold the STBY/FUNC button to turn on the unit during standby mode.
3. Short press the STBY/FUNC button to select DAB mode.

For the first time use or if the station list is empty, the radio automatically performs a full scan to see what stations are available, the display shows the scan progress and the total channel number during the scanning.

4. When the scan progress is completed, it will then set the time and start playing the first station on the station list it finds.
5. To change the station, press "DOWN" or "UP" button to scroll through the list of stations and press OK button to tune to the displayed station. The Now playing screen is displayed with the new station details.
6. If no stations are detected during the scan the display will show "NO DAB Station".

Notes:

1. Just like Digital TV there are some areas where it may still be difficult to get a good DAB signal. The broadcasters are constantly improving DAB coverage, so in some cases it may be necessary to wait before some or all DAB services become available. You can check coverage for your area.
2. You may also need to start a scan manually to update the list of stations for one of the following reasons:
- New stations may become available from time to time.
- Stations close or can no longer be received (In the station list, invalid stations are indicated with a question mark "?" in front of their name).
- If reception was not good for the original scan (for example the antenna was not up), this may result in an empty or incomplete list of available stations.
- If you have poor reception of some stations causing the audio to break up, you may wish to list only stations with good signal strength.

How to re-do a full scan

To re-do a full scan, you may either short press the SCAN button or press the MENU button to show the menu and then press OK button to select Full Scan

Manual Tune

As well as the normal method of scanning, you can also manually tune to a particular channel/frequency. This can be useful for adjusting your antenna to achieve the best possible reception and scanning a particular channel to update the station list.

1. Press Menu button and then press “UP” to show the submenu: Manual tune, press the OK button to enter.
2. Press “DOWN” or “UP” to display a particular channel/frequency, press OK button to tune to that channel/frequency. The display shows a live indication of the received signal strength on the selected frequency. Adjustments to your antenna will be manifested in the received signal strength displayed.

Note: The slightly larger rectangle indicates the audio quality threshold – if the signal strength, as indicated by the solid rectangles, falls below this threshold the audio quality will deteriorate.

To remove stations that are listed but unavailable

1. Press Menu button and then press “UP” or “DOWN” to show the submenu: Prune, press the OK button to enter the Prune option.
2. Press “UP” to select “Yes” and then press OK button to confirm to prune.

Note: this removes all invalid stations indicated in the station list with a ‘?’ in front of the station name.

Station Presets

The unit allows you to store up to 20 DAB stations for easy recall at any time.

To save a station

1. If you have found the desired station, press and hold the PRESET button until the display shows Preset Store.

2. Press “DOWN” or “UP” button to choose the preset memory position, press the OK button to confirm the settings.

To recall a station

1. Short press the PRESET button during DAB mode to enter the preset memory selecting mode.

2.Press “UP” or “DOWN” button to select the preset station
3.Press OK button to choose and play the displayed station

Now playing information

While a station is playing, the screen shows its name and DLS (Dynamic Label Segment) information broadcast by the station such as programme name, track title and contact details. Long DLS info, over 16 characters scrolls across the display.

To view further information

Each time you press INFO button, the next set of information is displayed, cycling through: DLS text, DL Plus information (this is only displayed if broadcast by the station), signal strength, programme type, ensemble name, channel number/frequency, signal error rate, bit rate, codec/DAB variant, time and date.

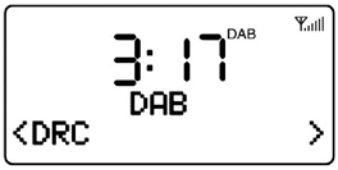
Note: DL Plus presents additional information that can be broadcast by stations and stored temporarily on your radio. To return to the default Now playing screen at any time, press and hold the INFO button.

Dynamic range compression (DRC)

This function reduces the difference between the loudest and quietest audio being broadcast. Effectively, this makes quiet sounds comparatively louder, and loud sounds comparatively quieter.

Note: DRC only works if it is enabled by the broadcaster for a specific station.

To change the DRC setting
Select Menu > DRC, then press OK button to enter the DRC submenu.



Press “UP” or “DOWN” to select the available options: DRC off, high, low.

.DRC off: DRC is switched off.
.DRC high: DRC is switched on; the default setting recommended for noisy environment.
.DRC low: DRC is set to half normal level.

OPERATING THE UNIT IN FM MODE

FM radio mode receives analogue radio from the FM band (87.5-108MHz) and display RDS (Radio Data System) information about the station.

1. Fully extend the telescopic antenna.
2. Press and hold the STBY/FUNC button to turn on the unit during standby mode.
3. Short press the STBY/FUNC button to select FM mode.
4. Press the SCAN button or press and hold the “DOWN”/ “UP” button to search the station, it will then stop automatically at the first station it finds.
5. Short press “DOWN” or “UP” button to tune the radio up or down in 50 KHz steps for fine tuning.
6. If the reception is too weak and there is noise on the received station, try to improve the reception by changing the position of the telescopic antenna

Station presets
The unit allows you to store up to 20 FM stations which work in the same way as described in DAB mode.

Now playing information
While FM radio is playing, the screen shows its frequency, or if RDS information is available, station name and any further ‘RadioText’ information. If no information is available, just the frequency and a No Radio Text message is shown.

To view further information about the broadcast
Each time you press INFO button, the next set of information is displayed, cycling through: RDS RadioText, programme type, frequency, mono/stereo, time and date. Press and hold the INFO button to return to the default Now playing screen.

OPERATING THE UNIT IN AUX-IN MODE

Aux In mode plays audio from an external source such as an MP3 player.

1. Plug one end of the 3.5mm audio cable (included) into the headphone or line out jack on your player, plug the other end of cable into the unit AUX-IN jack on the back of the unit.
2. Turn on the external audio source and play your device.
3. Press and hold the STBY/FUNC button to turn on the unit during standby mode.
4. Short press the STBY/FUNC button until the “Auxiliary Input Mode” appears on the display to select AUX-IN mode.
5.The volume level can now be controlled through the main unit. Operate all other functions on the external device as usual.

Notes:

1. If you’re connected to the Line out Jack of your external device, then you only need to adjust the volume control of this unit. If you’re connected to the Headphone Jack of your external device, then you may need to adjust both the volume control of your external device and the volume control of this unit to find the most desirable volume setting.
2. Slide the Power ON/OFF switch to OFF position to turn off the unit when you finish listening. Don’t forget to switch off the power of your external device as well.

Sleep Timer Setup

-During operating mode, press and hold the MENU button to enter sleep timer setting mode, press “UP” or “DOWN” to adjust the sleep delay time in minutes from:
Sleep off /1/20/30/60/90/120, the sleep icon “ZZZ” flashes on the display.

- Press the OK button to confirm the setting, the sleep icon “ZZZ” will stop flashing.
- Select “Sleep off” to cancel the sleep mode, the sleep icon “ZZZ” disappears simultaneously.
- When the sleep timer is active, press and hold the MENU button to show the current sleep time, press “UP” or “DOWN” to modify the setting.

SETTING AND USING THE ALARM

As well as a clock/calendar, there are two versatile wake-up alarms with snooze facility. Each alarm can use a buzzer or a selection from any of the audio sources for the alarm sound, an active alarm is indicated by a bell icon in the left of the LCD display.

Note: the alarm parameters can only be set when the radio is on.

Set the Alarm 1

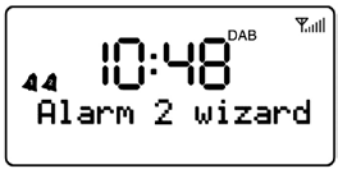
1. During operating mode, press & hold the ALARM/SNOOZE button until the Alarm 1 menu is shown, meanwhile, the alarm 1 alert icon flashes on the display.
2. Press OK button to enter Alarm 1 Wizard, the alarm wizard prompts you for the following parameters. Select a value for each parameter in turn by using > or < button and then press OK to confirm and move on to the next parameter.

Alarm Parameters:

• **On time** – hours and minutes
• **Duration** – 15 | 30 | 45 | 60 | 90 minutes, If the alarm is not cancelled Venus 2i returns to standby after this time period.
• **Source** – DAB | FM | Buzzer, If DAB or FM is chosen as the audio source you will also be

prompted to select the last played station or one of the preset stations (if set).

• **Daily | Once | Weekends | Weekdays**, choose the days on which the alarm is active.
• **Alarm** – Off | On After Alarm on is selected, the alarm1 will be armed automatically, the alarm1 alert icon stops flashing.



Set the Alarm 2
1. During operating mode, press & hold the ALARM/SNOOZE button twice until the Alarm 2 menu is shown, meanwhile, the alarm 2 alert icon flashes on the display.
2. The other setting of Alarm2 refers to Alarm1 setting described above.
• At the set time, the alarm will sound, quietly at first, then gradually building up to the set volume. When an alarm sounds, the bell icon in the display flashes.
• To cancel the Alarm when it is activated, press and hold the ALARM/SNOOZE button or STBY/FUNC button, the unit goes to standby.

Snooze
• When the alarm is activated (waking you), short press the ALARM/SNOOZE button will stop the alarm one time. The Alarm icon “SNOOZE” will show on the display & the alert icon flashes simultaneously to show it is on Snooze status.
• The alarm will sound again after 10 minutes (default nap time).

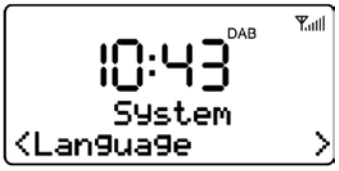
System Settings
Time The time and date can be updated manually or automatically. With auto-update, the time and date are automatically synchronized with national time signals broadcast over DAB and FM (when available). You can also select the display format for the time and date.

- Select Menu > System, then press OK button to enter the System menu.
- Press OK button again to enter the Time setting submenu.
  The Time submenu contains the following options:

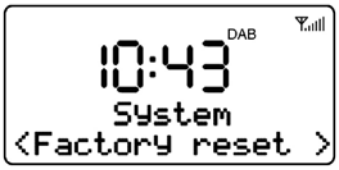
• **Set Time/Date** – (see below)

• **Auto update** - Update from Any | Update from DAB | Update from FM | No Update
• **Set 12/24 hour** – 12hour | 24hour
• **Set date format** - mm-dd-yyyy | dd-mm-yyyy.

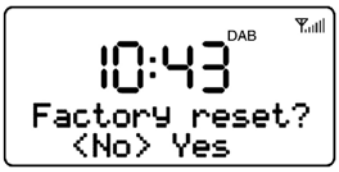
Set The Time And Date Manually
This option is for manually setting the time and date displayed. The time displays as “hh:mm”, with the first value “hh” active (flashing). Adjust each value using the “UP” or “DOWN” button, then press OK button to confirm. The next value then becomes active and flashes. The date values follow and are set in the same way.
Note: The date displays as mm-dd-yyyy or dd-mm-yyyy depending on your choice of date format.



Language
The language used for display messages can be selected from:
English / Francais / Deutsch / Italiano



Factory Reset
A factory reset clears all user defined settings, replacing them with the original default values, so time/date, DAB/FM station list and preset stations are all lost.



If you select Factory Set, you are asked to confirm by selecting Yes.

SW Version
Select Menu > System > SW version, then press OK button to see the display the current software version.

TROUBLESHOOTING AND ERROR MESSAGES

1. Error messages

Message	Description
DAB mode	
Service not available	No DAB reception
Signal error	The DAB signal has been interrupted
No DAB Station	The listed station cannot be found.
(No name)	The current station does not broadcast an identity name.
No stations found	No DAB stations are available - check aerial.
FM Mode	
No Radio Text	No RDS text information is available on this station.
No PTY	No RDS programme type information is available.
No Name	No RDS station name is being broadcast.
General messages	
Time is not set	No time value is currently set on this platform
Time not saved	Any changes made to the time settings will be lost.

1. Troubleshooting

Problem	Cause	Solution
The unit cannot be operated	The unit is blocked and “hangs”.	Pull the mains plug for approximatly 5 seconds. Then connect the unit again.
No sound	Volume is too low.	Increase the volume.
Poor sound quality	Radio signal too weak	Try to adjust the antenna position.
	Battery almost empty	Charge the battery or operate the device with the power supply unit.
FM: Hiss DAB: intermittent cut-out. DAB: “No stations available”message	Low signal strength	Check/move antenna Move radio Rescan local

CARE AND MAINTENANCE

- Do not subject the unit to excessive force, shock, dust or extreme temperature.
- Do not tamper the internal components of the unit.
- Clean the unit with a damp (never wet) cloth except metal contact or speaker grille, Solvent or detergent should never be used.
- Avoid leaving your unit in hot, humid or dusty places.
- Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.
- Always keep your finger dry and clear before touching all the buttons.
- Do not dispose of batteries in fire, batteries may explode or leak.

SPECIFICATION	
Power adapter (included)	Input AC 100 ~ 240V
	Ouput DC 5V⎓ 2A
Battery capacity (included)	1000 mAH
Max Play Time (with battery)	3 Hours
Power Consumption	8W
Standby Power Consumption	<1W
DAB Frequency	174-240 MHZ
FM Frequency	87.5 - 108 MHZ
Working Temperature	-5°C ~ +40°C
Working Humidity	20% ~ 80%

The right to make technical and design modifications in the course of continuous product development remains reserved. This device has been tested according to all relevant current CE guidelines, such as electromagnetic compatibility and low voltage directives, and has been constructed in accordance with the latest safety regulations.

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